# Raise Enterprise Productivity

OASyS SCADA by AVEVA takes SCADA data read from the field and generates additional operational data such as tank volumes from tank levels. OASyS delivers data to the control room, but business applications cannot leverage an MQTT middleware solution's benefits without access to contextualized real-time data. As a result, corporate users of SCADA data are often left using inefficient methods such as spreadsheets loaded from text files with their inherent inaccuracies and updates usually once a day.

The Streamline Approach

SparxMQ from Streamline Control is a simple but powerful solution that enables business applications to access contextualized SCADA data through MQTT middleware environments. SparxMQ publishes OASyS SCADA data regularly in Sparkplug B format into the MQTT infrastructure, effectively providing data users with real-time information at their fingertips. Data published from OASyS by SparxMQ is user-configurable, and the publishing frequency is configurable from 15 seconds to several minutes.

SparxMQ Overview
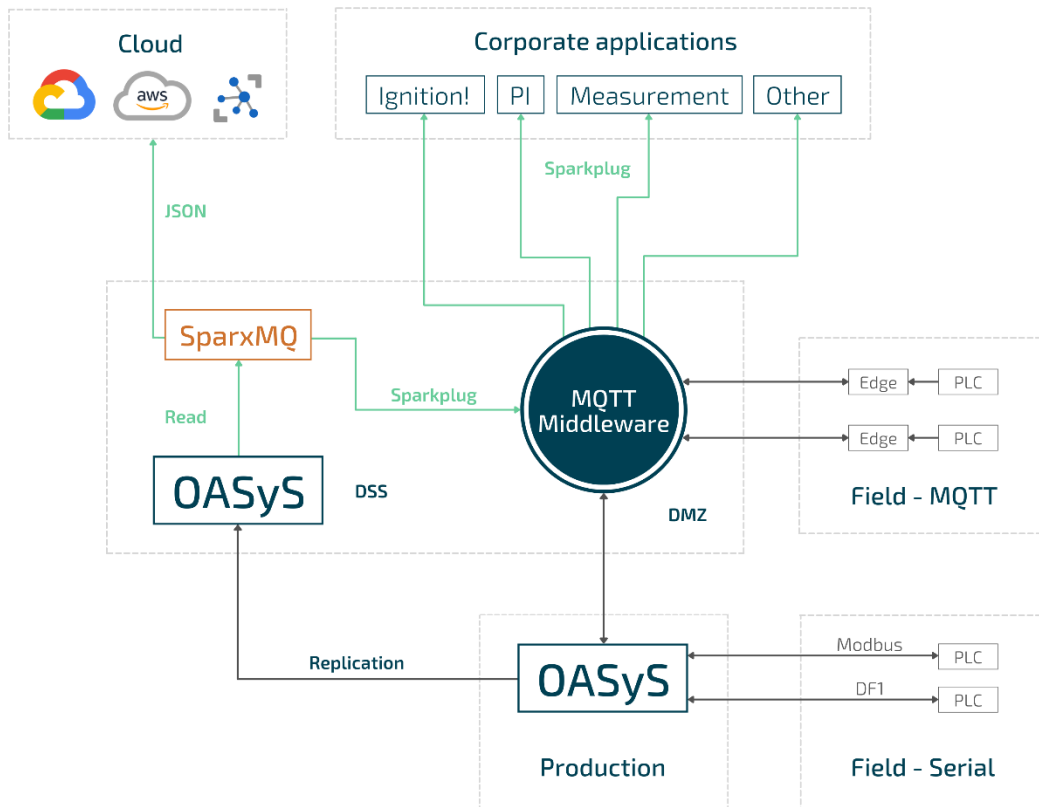
Bringing the Field Closer to the Boardroom

SparxMQ takes OASyS SCADA using MQTT middleware to the next logical level by elegantly integrating business and operational applications with SCADA data. The SparxMQ solution liberates SCADA data to be used beyond the Control Room by critical line-of-business applications that marketers and corporate decision-makers use daily.

Benefits

Continuous Updates. Applications now have continuous access to real-time SCADA data at a frequency determined by the SparxMQ configuration, typically around 15 to 60 seconds.

Reduced Maintenance. Modifications made to the SCADA database are reflected in the published data therefore modifications don't have to be applied manually to applications.

Improved Accuracy. Data read from the SCADA system is performed without manual intervention thereby removing potential errors through fat fingers.

Access to Additional Data. Makes more fields in the OASyS database available than are normally provided through the historian.

Visual Interface. Data can be viewed via a web-based visual dashboard, making for quick analysis and action.

Use Cases

Current Inventory. Up-to-the-minute tank volumes can be made available to scheduling, marketing and other corporate personnel. Product availability can be provided to trucking operators to minimize potential wait times at facilities.

Vibration Analysis. Vibration data can be made available for analysis by AI and machine learning applications.

Power Optimization. Controllers and schedulers can evaluate facility power usage in real-time, allowing them to make decisions related to pump schedules, increasing efficiency and lowering costs significantly.

Product Batch Information. Schedulers have access to real-time data on where product batches are in the system and when and where they will be delivered, improving responsiveness and overall efficiency.